

FEB 12 2007

10/830,209

Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

Claim 1 (currently amended): A system for automatically initializing and diagnosing backplanes of electronic devices, the system comprising:

- a monitor, comprising:
 - a command editor for receiving diagnosis commands inputted by users;
 - a command translator connected with the command editor for compiling the diagnosis commands into binary commands;
 - a processing unit connected with the command translator for running diagnosis programs; and
 - a display unit connected with the command editor for displaying information; and
- a driver connected with the monitor, the driver comprising:
 - an initialization module for initializing the backplane, the initialization module comprising:
 - a basic initialization sub-module for initializing one or more chips of the backplane; and
 - an advanced initialization sub-module for initializing hardware of the backplane; and
 - a diagnosis module connected with the processing unit and the display unit for providing diagnosis programs.

10/830,209

Claim 2 (original): The system as claimed in claim 1, wherein the monitor further comprises a command and help list connected with the command editor and the display unit for defining formats and contents of the diagnosis commands.

Claim 3 (original): The system as claimed in claim 1, wherein the processing unit runs corresponding diagnosis programs according to the binary commands transmitted by the command translator.

Claim 4 (original): The system as claimed in claim 1, wherein the diagnosis programs are stored in the diagnosis module of the driver.

Claim 5 (original): The system as claimed in claim 1, wherein the display unit is a monochrome liquid crystal display.

Claim 6 (original): The system as claimed in claim 1, wherein the display unit is a multicolor liquid crystal display.

Claim 7 (canceled)

Claim 8 (currently amended): The system as claimed in claim [[7]] 1, wherein the advanced initialization sub-module is for performing a boot initialization and test on the backplane.

Claim 9 (original): The system as claimed in claim 1, wherein the diagnosis module provides corresponding diagnosis programs for different chips and hardware of the backplane.

Claim 10 (currently amended): A method for automatically initializing and diagnosing a backplane of an electronic device, the method comprising the following steps:

(a) initializing the backplane performing a basic initialization on the backplane;

performing a boot initialization and test on the backplane;

performing an advanced initialization on the backplane;

10/830,209

(b) compiling a diagnosis command into a binary command, and transmitting the binary command to a processing unit; and
(e) running a corresponding diagnosis program to diagnose the backplane according to the binary command.

Claim 11 (currently amended): The method as claimed in claim 10, further comprising the following step after the step (a) of performing an advanced initialization on the backplane: receiving a diagnosis command inputted by a user.

Claim 12 (currently amended): The method as claimed in claim 10, further comprising the following step after the step (e) of running a corresponding diagnosis program to diagnose the backplane according to the binary command: returning a diagnosis result to a display unit.

Claim 13 (canceled)

Claim 14 (currently amended): The method as claimed in claim ~~[[13]]~~ 10, wherein the step (a1) of performing a basic initialization on the backplane comprises the step of initializing one or more chips of the backplane.

Claim 15 (currently amended): The method as claimed in claim ~~[[13]]~~ 10, wherein the step (a3) of performing an advanced initialization on the backplane comprises the step of initializing hardware of the backplane.

Claim 16 (currently amended): A system for automatically initializing and diagnosing backplanes of electronic devices, the system comprising:

a monitor, comprising:

a processing unit for running diagnosis programs; and

10/830,209

a display unit for displaying information; and
a driver connected with the monitor, the driver comprising:
an initialization module for initializing ~~the a backplane, the~~
initialization module comprising:
a basic initialization sub-module for initializing one or more
chips of the backplane; and
an advanced initialization sub-module for initializing
hardware of the backplane; and
a diagnosis module connected with the processing unit and the
display unit for providing diagnosis programs;
wherein ~~said the backplanes have~~ backplane has not been
initialized before the system is run.

Claim 17 (new): The system as claimed in claim 16, wherein the advanced
initialization sub-module is for performing a boot initialization
and test on the backplane.

Claim 18 (new): The system as claimed in claim 16, wherein the diagnosis
module provides corresponding diagnosis programs for different
chips and hardware of the backplane.

Claim 19 (new): The system as claimed in claim 16, wherein the monitor
further comprises:

a command editor for receiving diagnosis commands inputted by
users; and

a command translator connected with the command editor for
compiling the diagnosis commands into binary commands.

Claim 20 (new): The system as claimed in claim 19, wherein the monitor
further comprises a command and help list connected with the

10/830,209

command editor and the display unit for defining formats and contents of the diagnosis commands.